

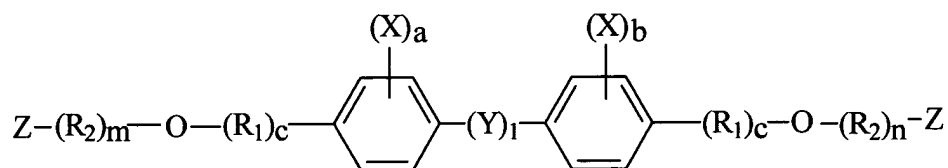
IN THE CLAIMS

Please amend the claims as follows:

1. (previously presented) A method of manufacturing a replica, which method comprises the provision of a bondable resin composition between a mold and a substrate or a blank, carrying out a curing treatment and removing the replica thus manufactured from the mold, which replica includes the substrate and the reproduction of the mold provided thereon, the curing treatment is a UV light-initiated cationic polymerization, the resin composition used being a compound with at least two cationically polymerizable cyclic ether groups, which only shows signs of gelation when at least 50% of the conversion that can be achieved in the mold under the relevant curing conditions has taken place.

2. (previously presented) The method of claim 1, wherein the resin composition further comprises a reactive diluent.

3. (currently amended) The method of claim 1, wherein the compound is represented by the following general formula:



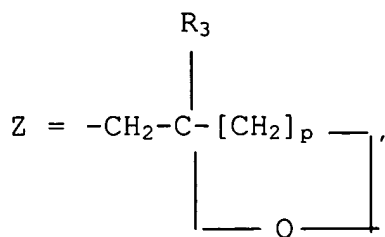
wherein:

Y = -O-, -SO₂-, -CH₂-, -C(CF₃)₂-, -C(CH₃)₂-,

X = a halogen or CH₃,

R₁ = -CH₂-, -C(CH₃)₂-,

R₂ = -OCH₂CH₂-, -OCCH₃HCH₂-, -OCH₂CCH₃H-, -OCH₂CHOHCH₂-,



$R_3 = H, C_nH_{2n+1},$

$n = \text{an integer} \geq 1,$

$p = 1-4,$

m, a, b, c are each individual integers in the range from 0-4.

4. (currently amended) The method of claim 1, wherein the compound is selected from the group formed by: 1,2,7,8-diepoxyoctane, 3,4-epoxycyclohexylmethyl-3',4'-epoxycyclohexanecarboxylate, bis(3,4-epoxycyclohexylmethyl)adipate, bis(3,4-epoxy-6-methylcyclohexylmethyl)adipate and C12-C14-alkylglycidylether and the corresponding oxetane compounds thereof, in particular 1,4-bis[(3-ethyl-3-oxetanylmethoxy)methyl]benzene.

5. (currently amended) The method of claim 1, wherein for the reactive diluent use is made of a compound selected from the group formed by: butylglycidylether, heptylglycidylether, octylglycidylether, allylglycidylether, p-t-butylphenylglycidylether, phenylglycidylether, cresylglycidylether, diglycidylether of 1,4-butanediol, diglycidylether of neopentylglycol, diglycidylether of polypropeneglycol, vinylcyclohexanedioxide, diglycidylether of recorcinol, diglycidylether of polypropeneglycol and diglycidylester of linoleic acid dimer and the corresponding oxetane compounds thereof.

6. (withdrawn) A replica obtained by carrying out a UV light-initiated cationic polymerization of a compound comprising at least

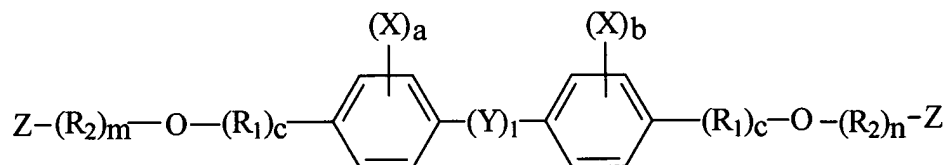
two cationically polymerizable cyclic ether groups, which compound only exhibits gelation when at least 50% of the conversion that can be achieved in the mold under the relevant curing conditions has taken place, if necessary in the presence of a reactive diluent.

7. (withdrawn) The replica of claim 6, wherein this replica comprises a relief structure on at least one side, which relief structure must meet high (sub-micron) requirements with a view to the necessary accuracy of form.

8. (withdrawn) The replica of claim 6, wherein the replica obtained is an optical component.

9. (withdrawn) The replica of claim 8, wherein the optical component obtained is an (a) spherical lens, a lens array, a prism, a grating or another relief structure for optical applications, or a combination thereof.

10. (withdrawn) The replica of claim 7, wherein the compound is represented by the following general formula I:



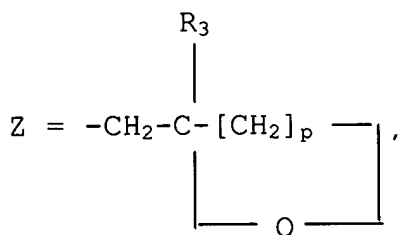
wherein:

Y = -O-, -SO₂-, -CH₂-, -C(CF₃)₂-, -C(CH₃)₂-,

X = a halogen or CH₃,

R₁ = -CH₂-, -C(CH₃)₂-,

R₂ = -OCH₂CH₂-, -OCCH₃HCH₂-, -OCH₂CCH₃H-, -OCH₂CHOHCH₂-,



$R_3 = H, C_nH_{2n+1},$

$n = \text{an integer} \geq 1,$

$p = 1-4,$

m, a, b, c are each individual integers in the range from 0-4.

11. (withdrawn) The replica of claim 8, wherein the compound is selected from the group formed by 1,2,7,8-diepoxyoctane, 3,4-epoxycyclohexylmethyl-3',4'-epoxycyclohexanecarboxylate, bis(3,4-epoxycyclohexylmethyl)adipate, bis(3,4-epoxy-6-methylcyclohexylmethyl)adipate and C12-C14-alkylglycidylether and the corresponding oxetane compounds thereof, in particular 1,4-bis[(3-ethyl-3-oxetanylmethoxy)methyl]benzene.

12. (withdrawn) The replica of claim 9, wherein for the reactive diluent use is made of a compound selected from the group formed by butylglycidylether, heptylglycidylether, octylglycidylether, allylglycidylether, p-t-butylphenylglycidylether, phenylglycidylether, cresylglycidylether, diglycidylether of 1,4-butanediol, diglycidylether of neopentylglycol, diglycidylether of polypropeneglycol, vinylcyclohexanedioxide, diglycidylether of recorcinol, diglycidylether of polypropeneglycol and diglycidylester of linoleic acid dimer and the corresponding oxetane compounds thereof.

13. (new) A replica produced by the method of claim 1.